

FIG. IA

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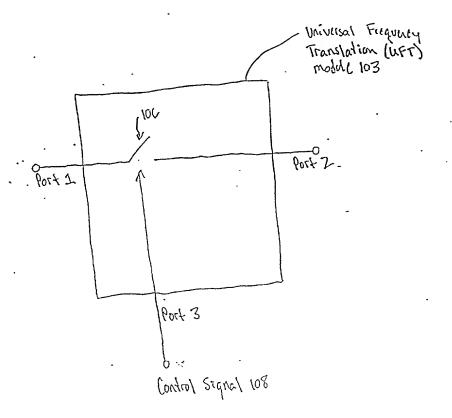


FIG. 18

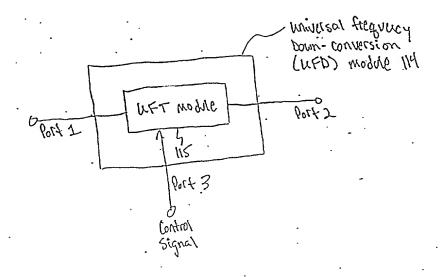


FIG. 1C

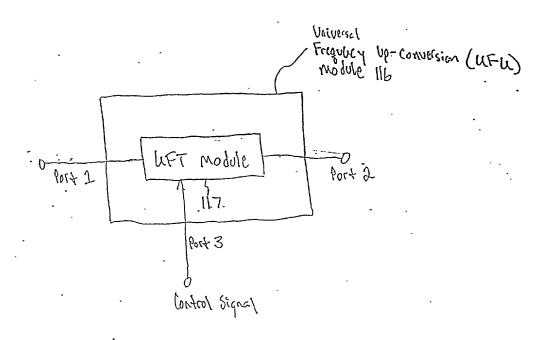


FIG. 10

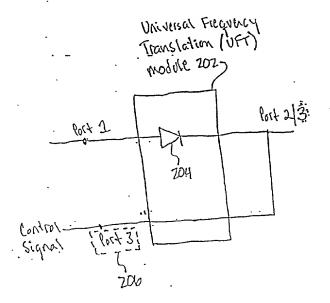
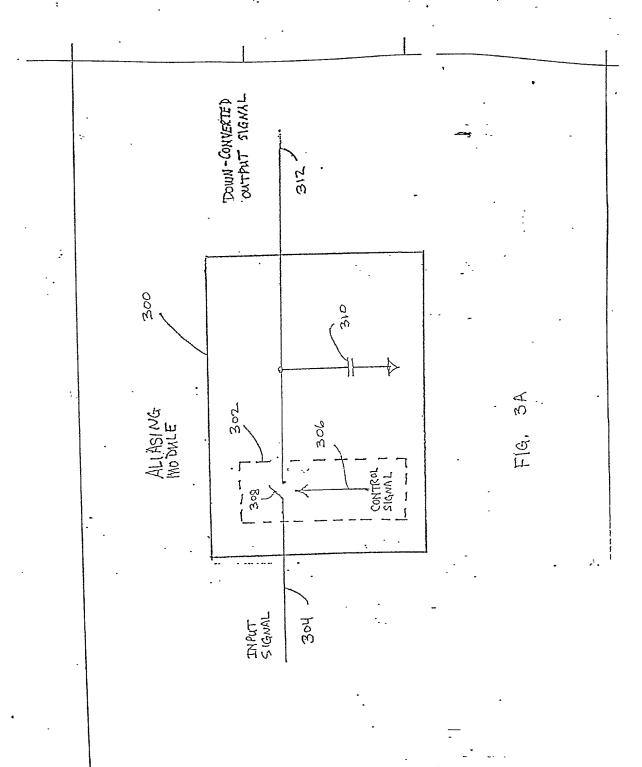
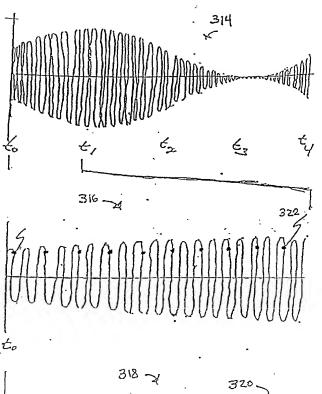


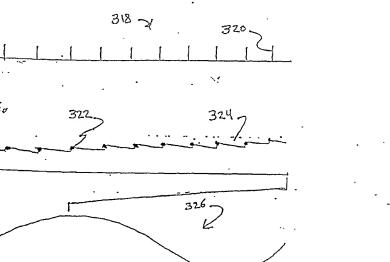
FIG. 2

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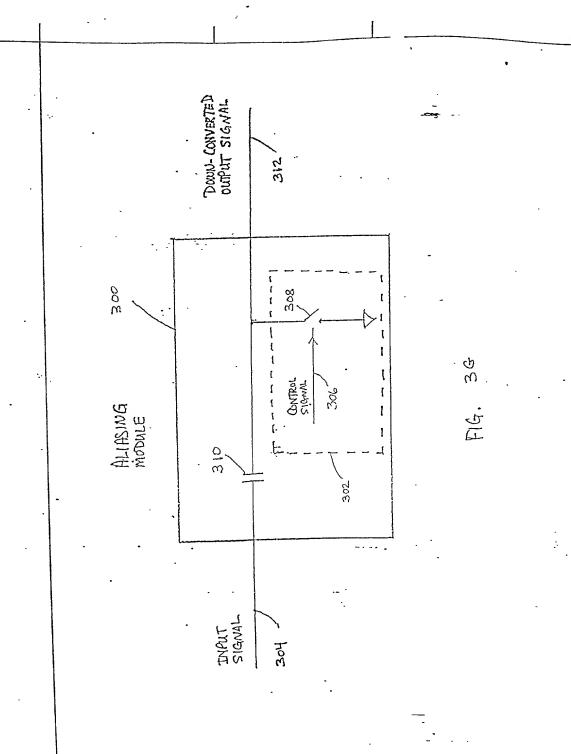




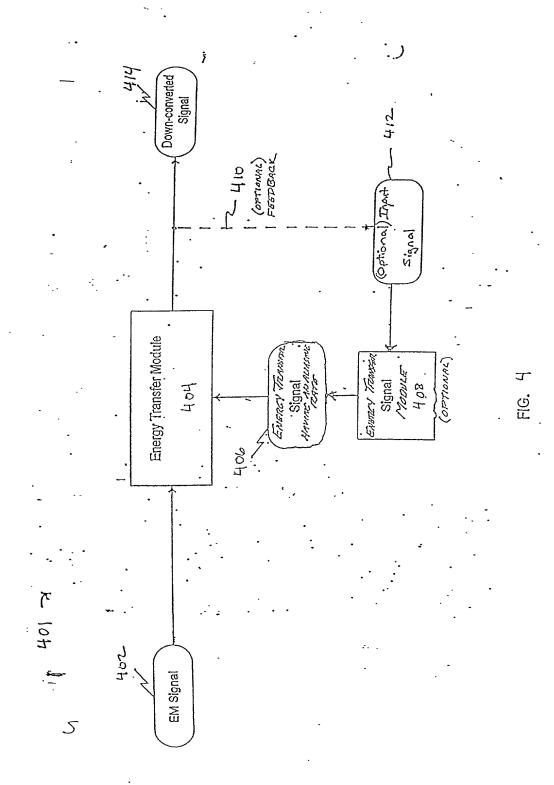


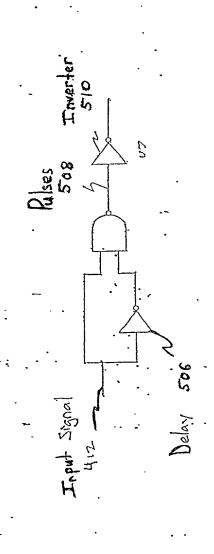
.FIG. 3C

FIG. 3D



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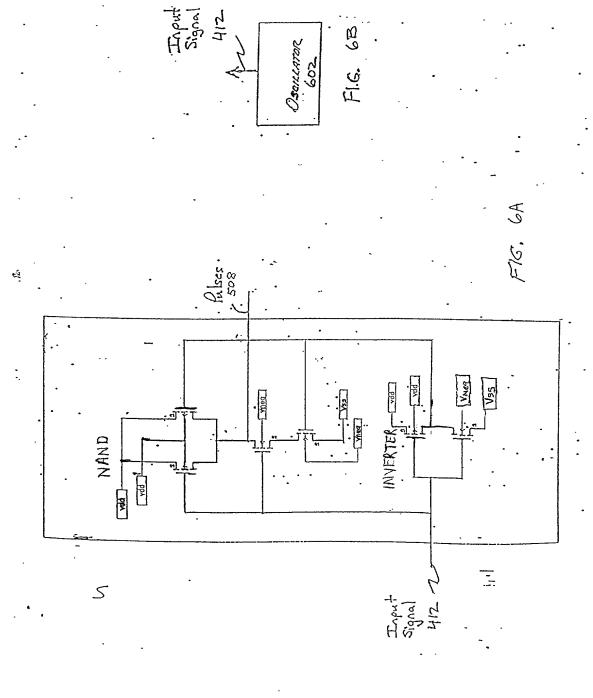




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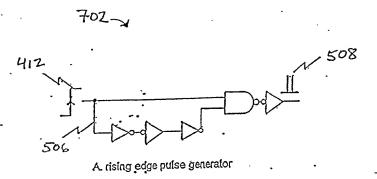
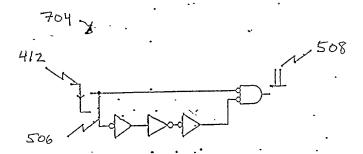


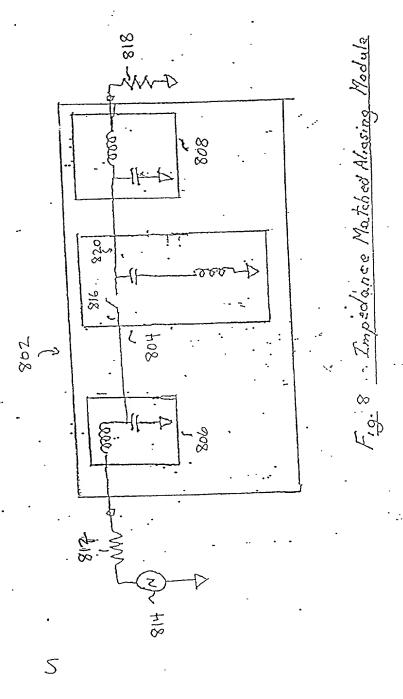
FIG. 7A



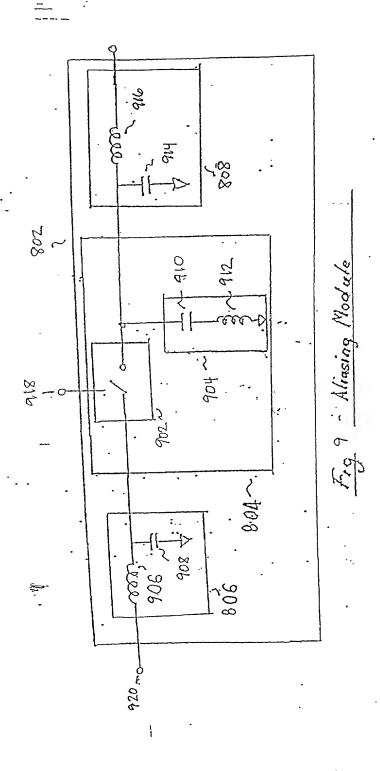
B. falling-edge pulse generalor

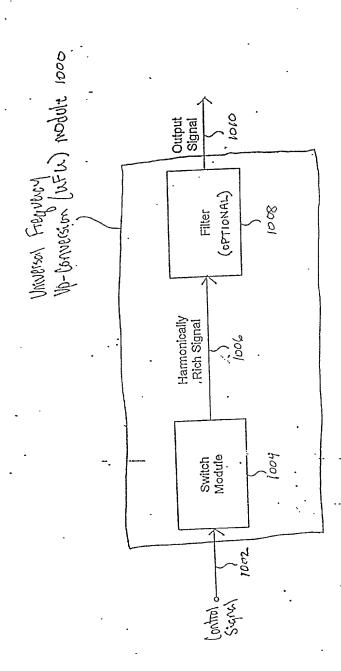
FIG. 78

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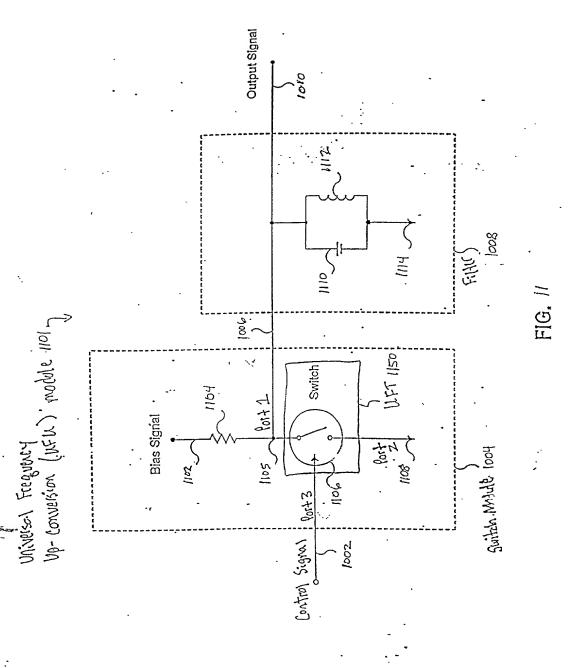


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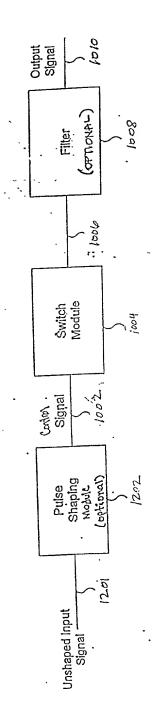


W



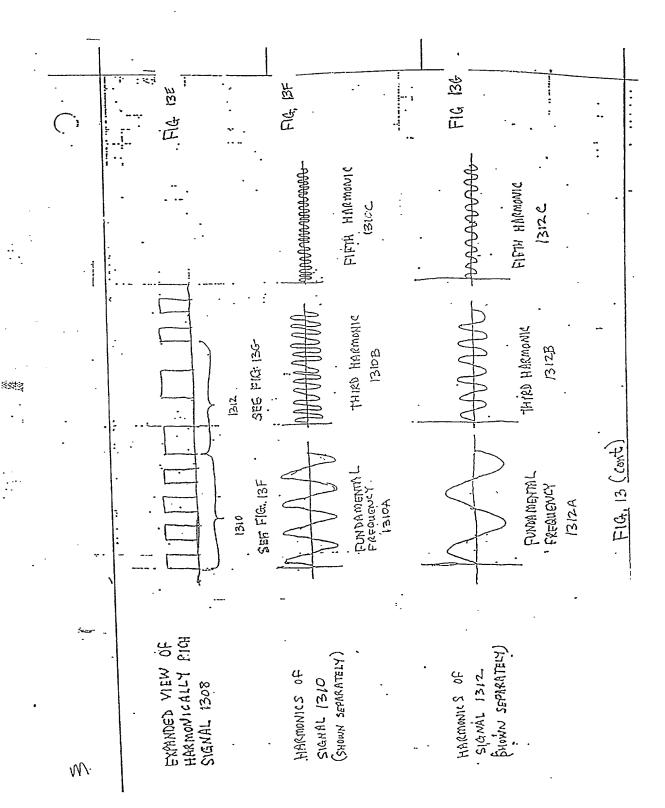
W





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.:·	F14, 13A	FIG. 138	F1Q, 13C	F14, 13P
				SE FIG. 13
žer M	INFORMATION SIGNAL 1302	09611.LATING S1GNAL 1304	FREGUENCY MODULATED INPUT SIGNA <sup>1</sup> 1306	HARMONICALLY RICH SIGNAL (SKOWN AS SOUNTE WAVE) (308



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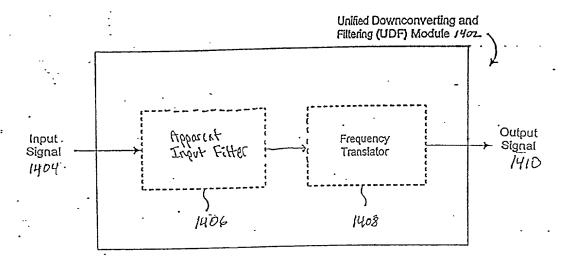
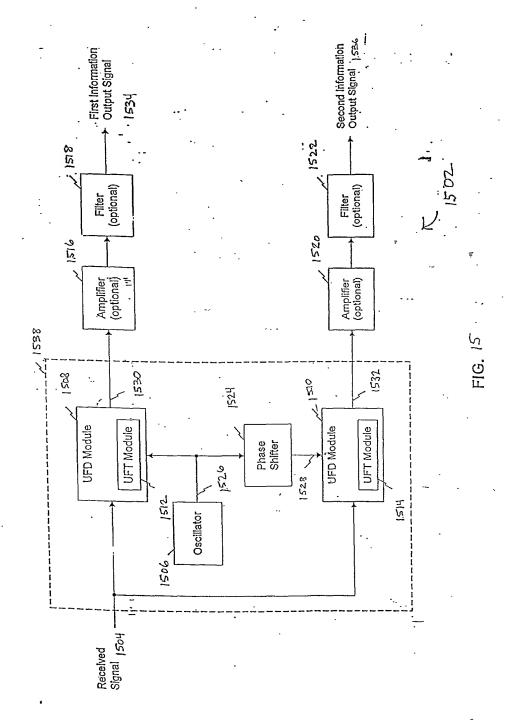
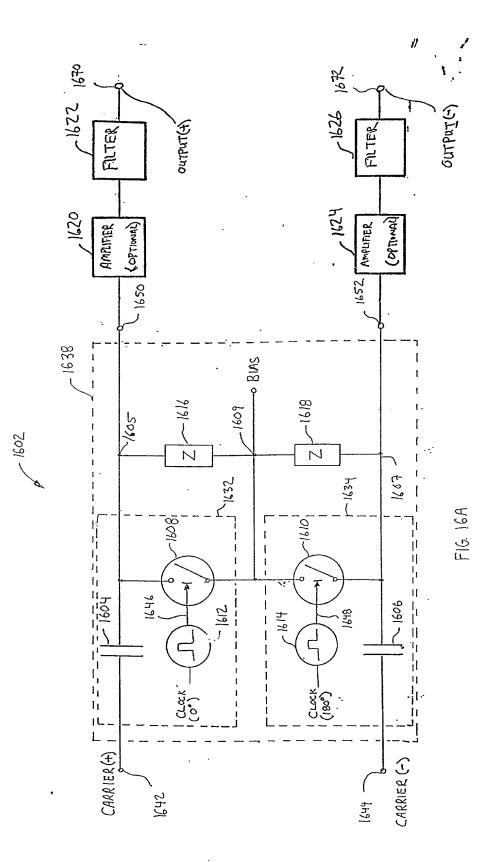
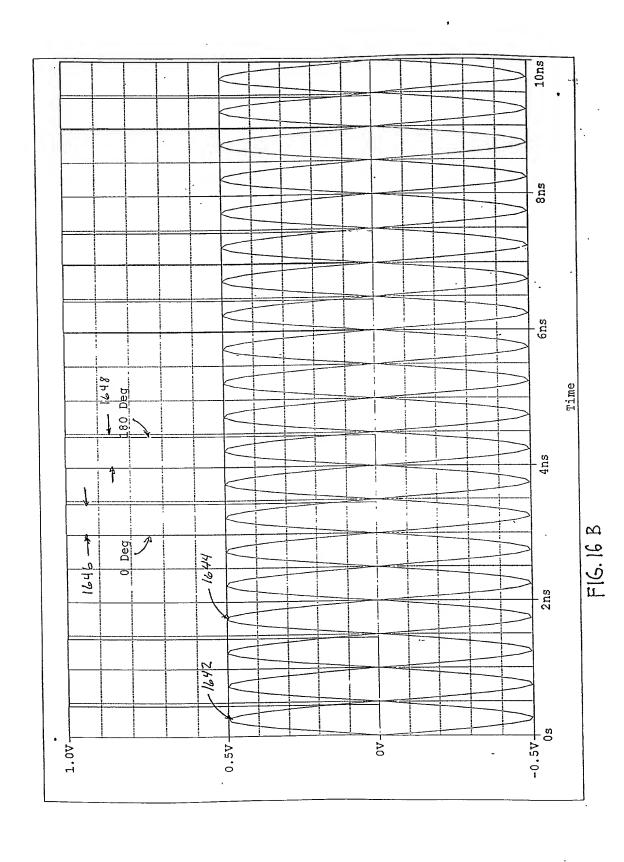
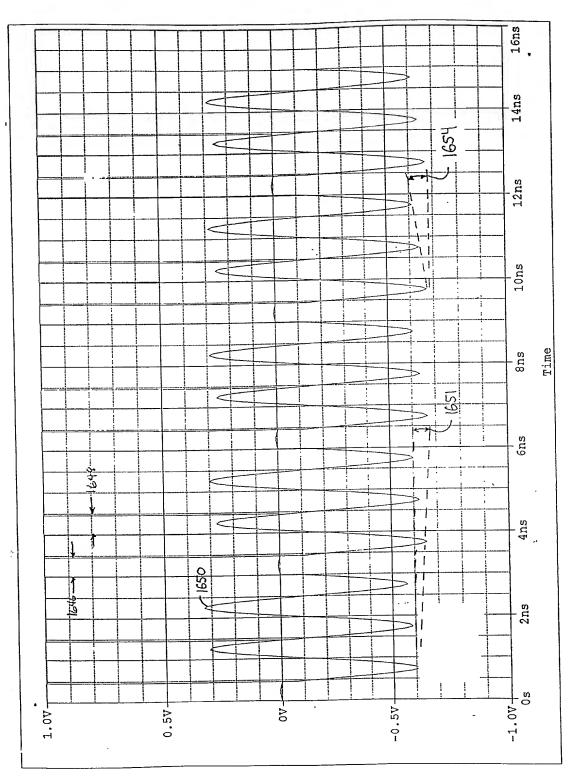


FIG. 14

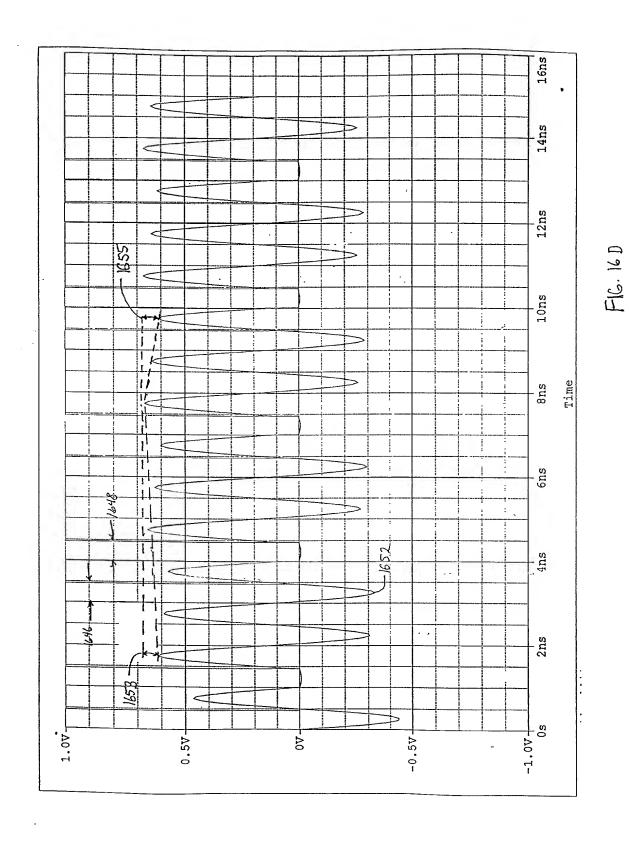


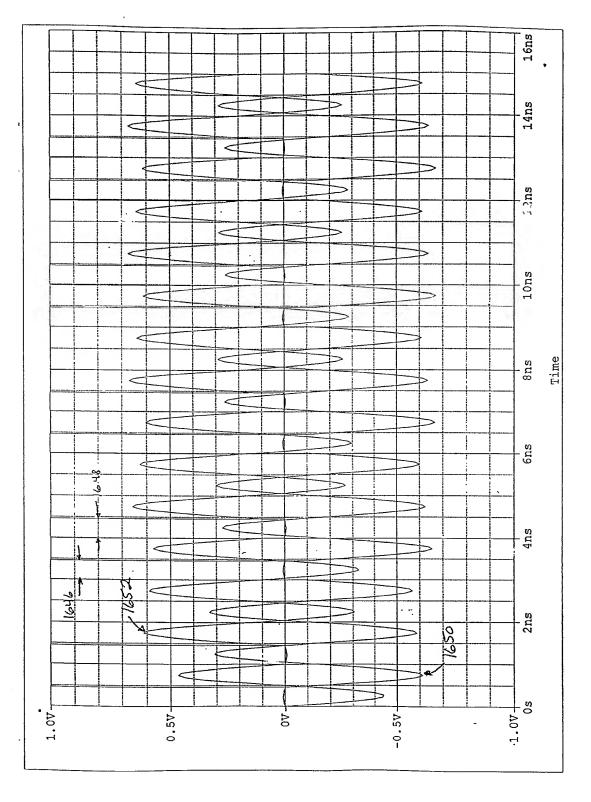




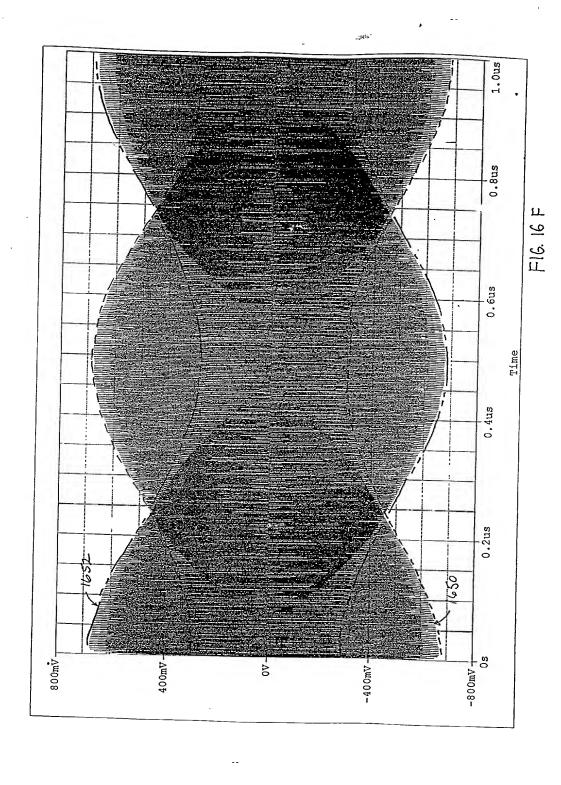


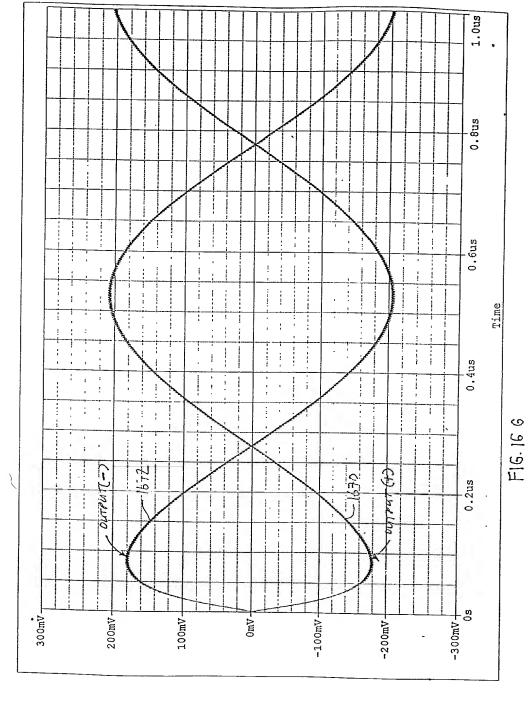
F16.16C

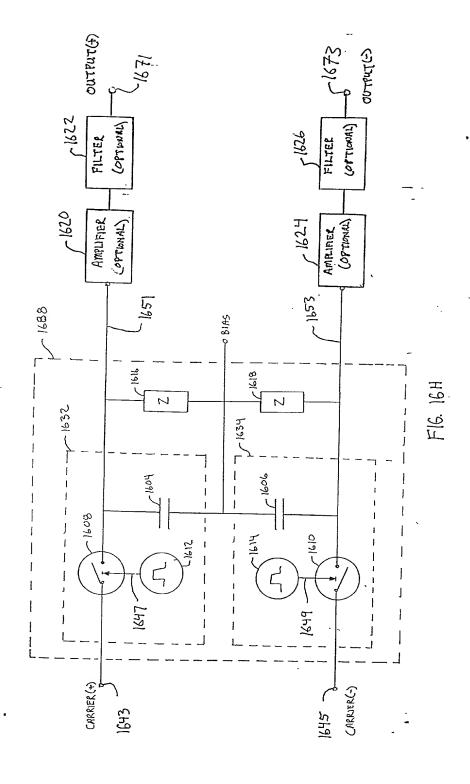


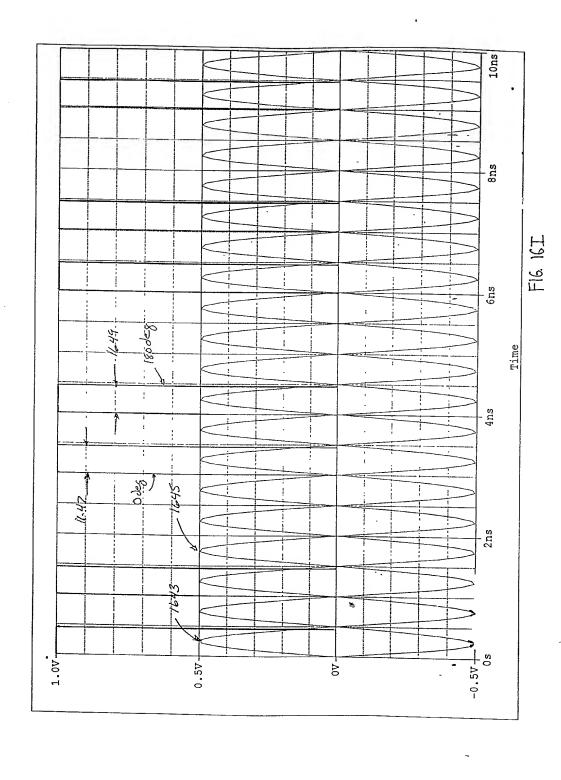


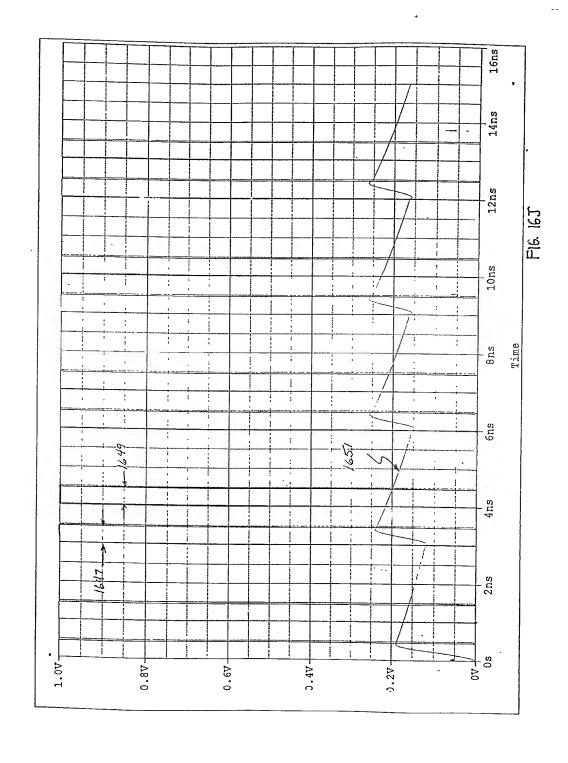
F16. 16 E

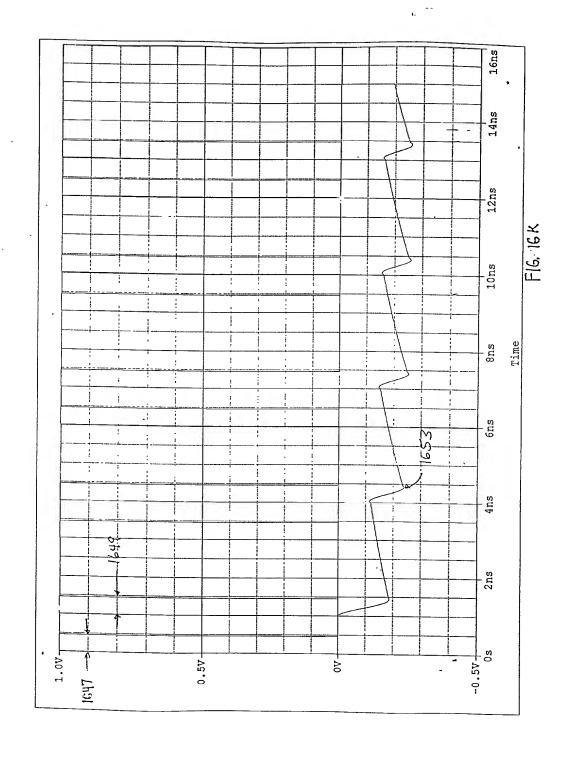


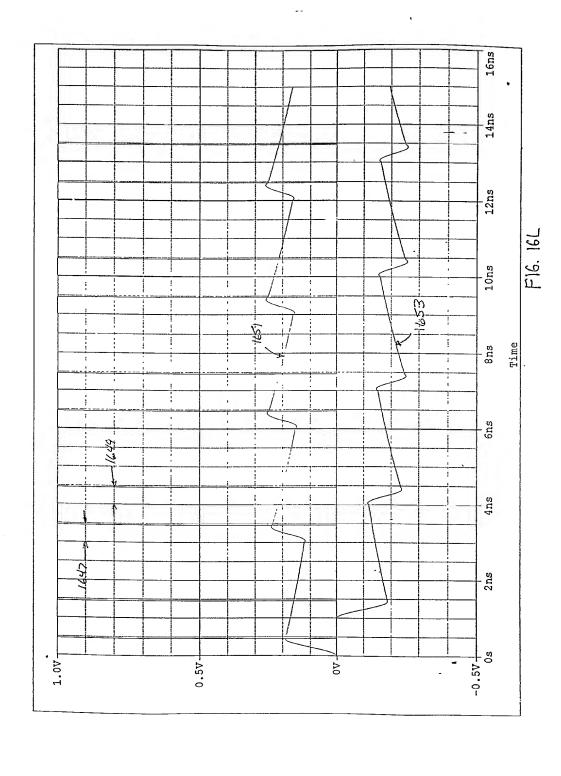


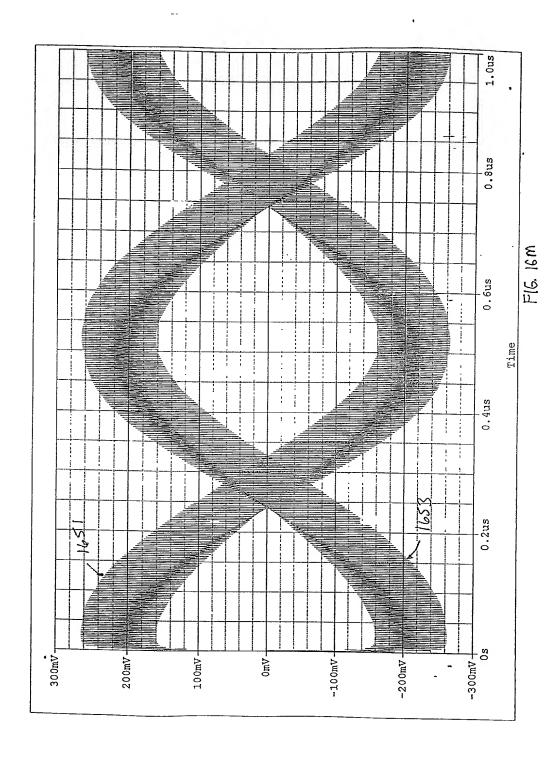


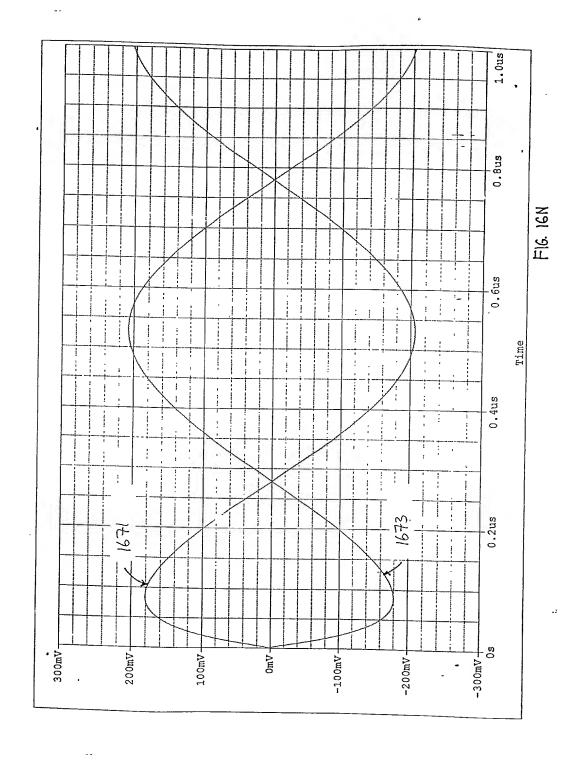


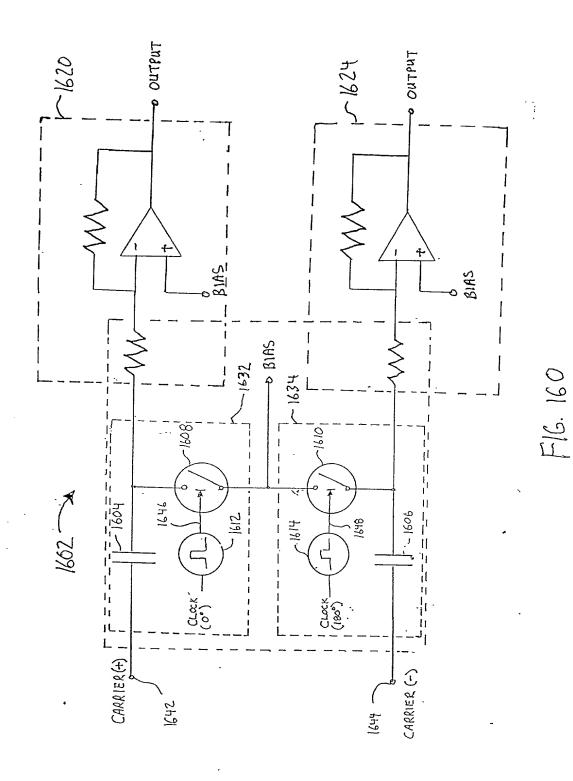


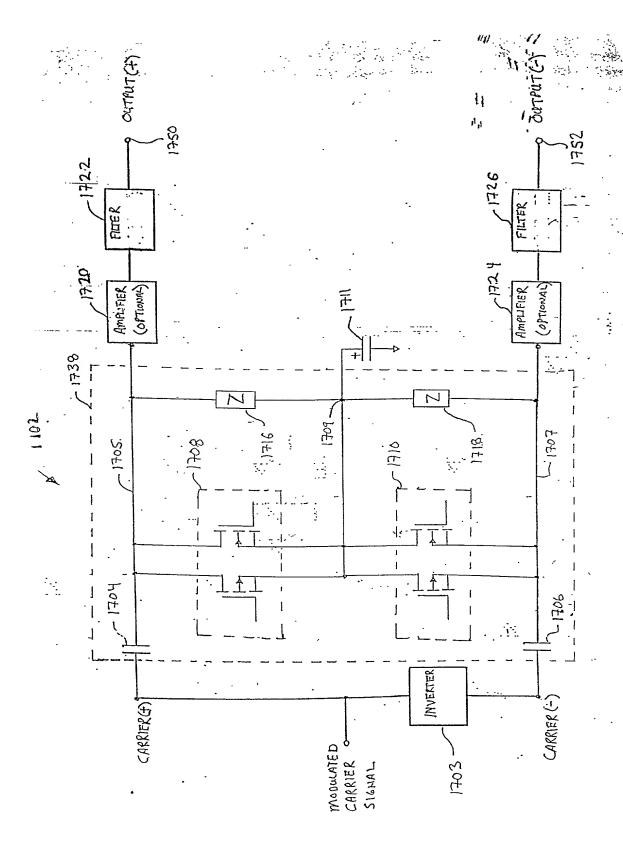




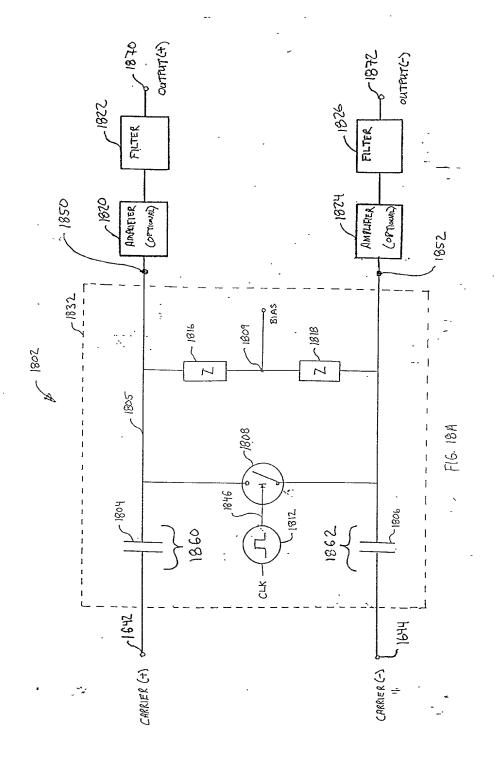


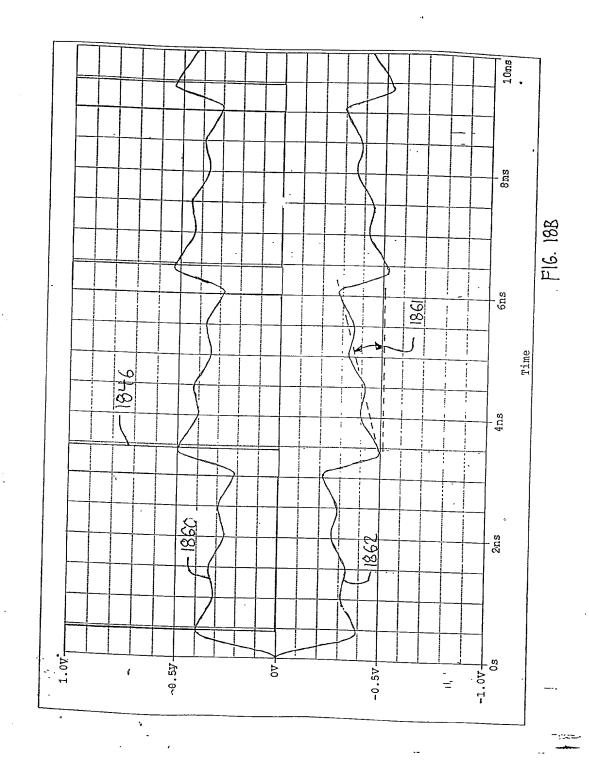


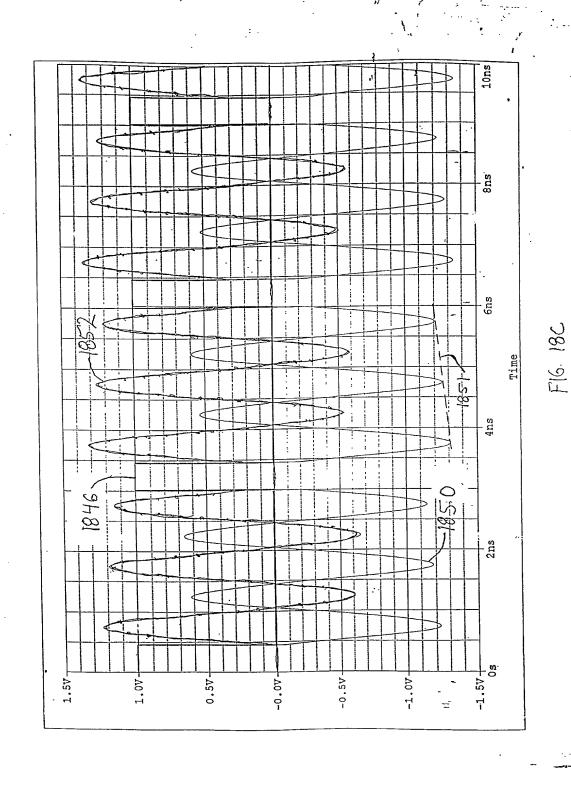


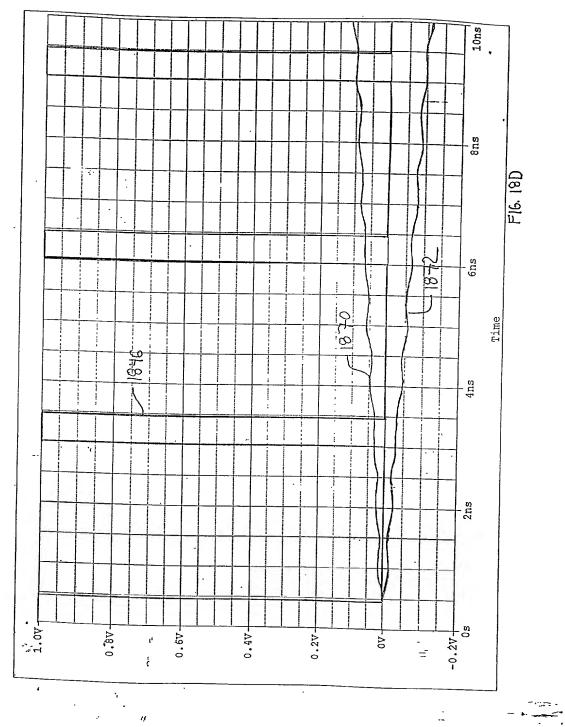


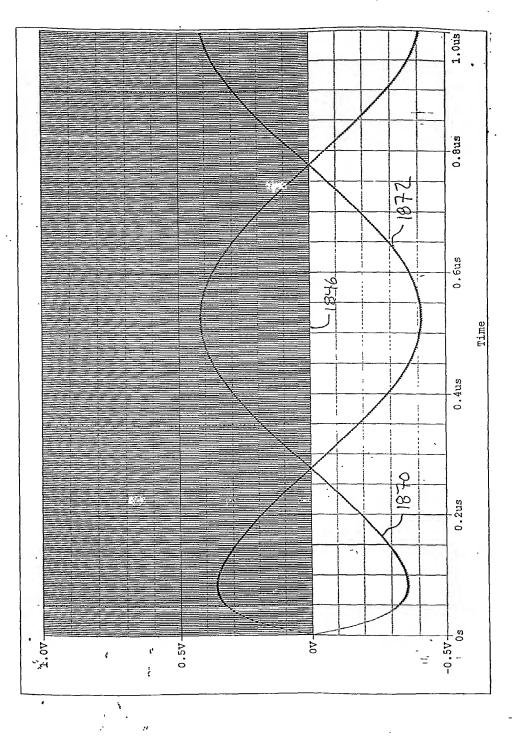
F16,17



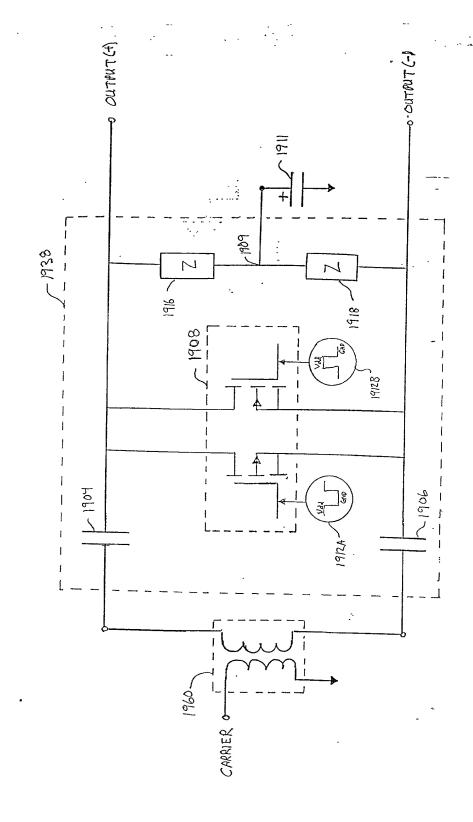




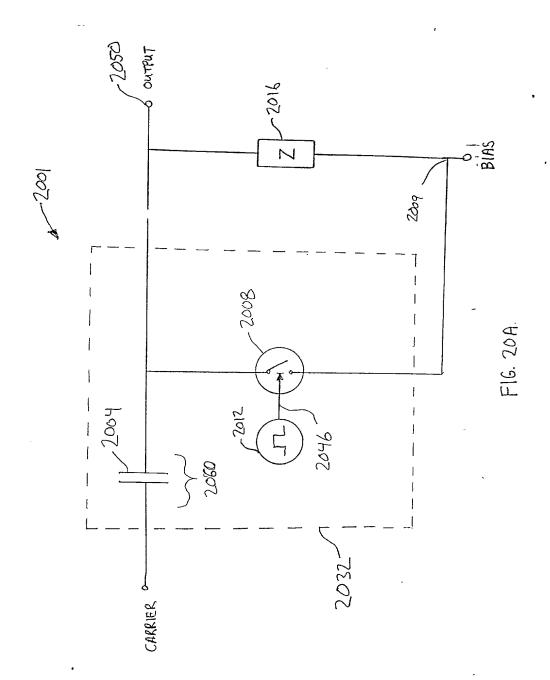


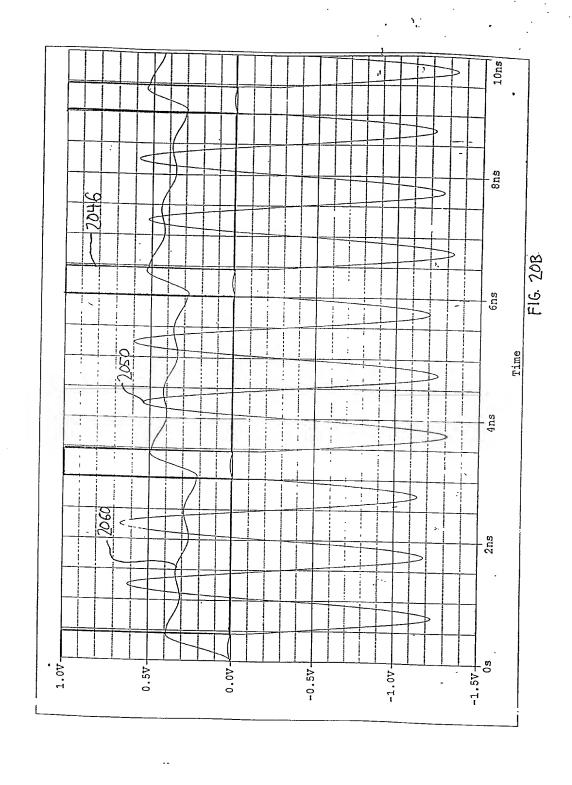


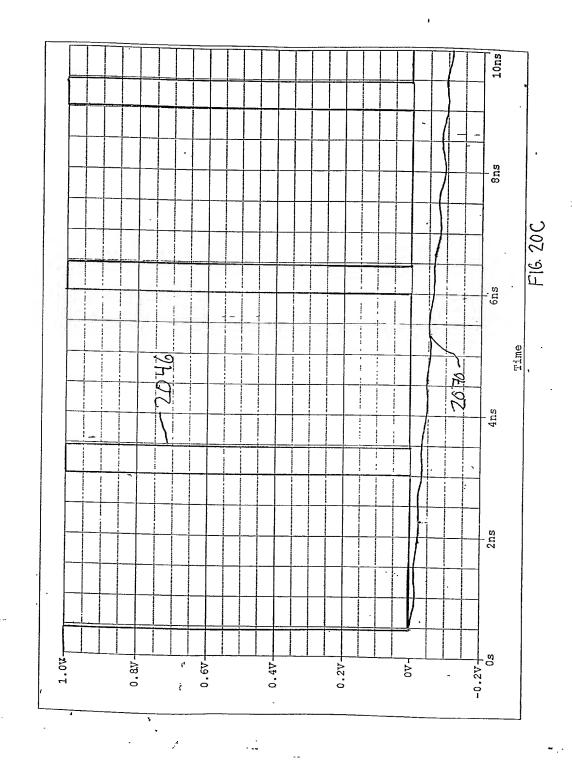
F16. 18E

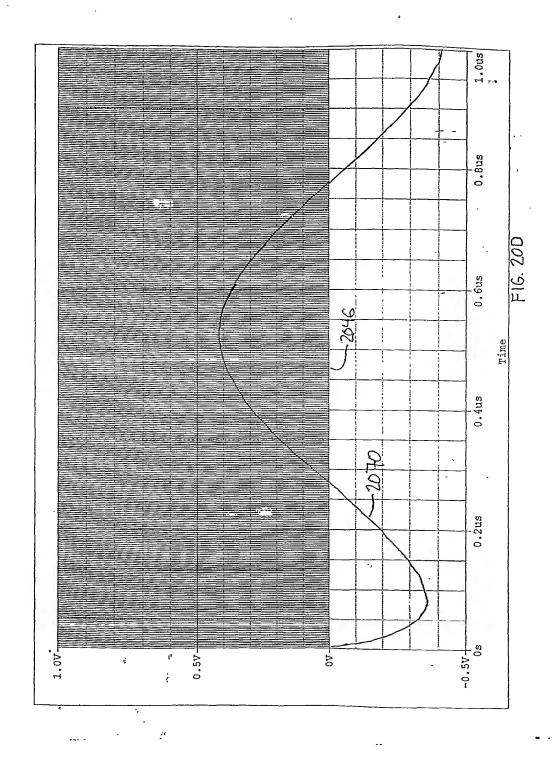


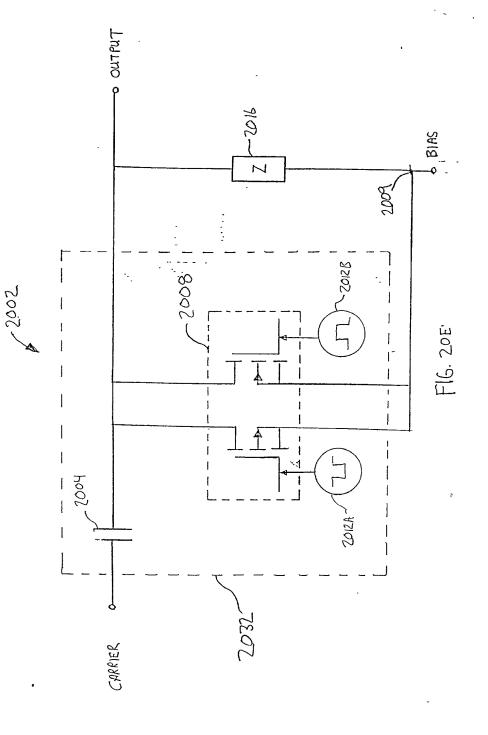
F16. 19



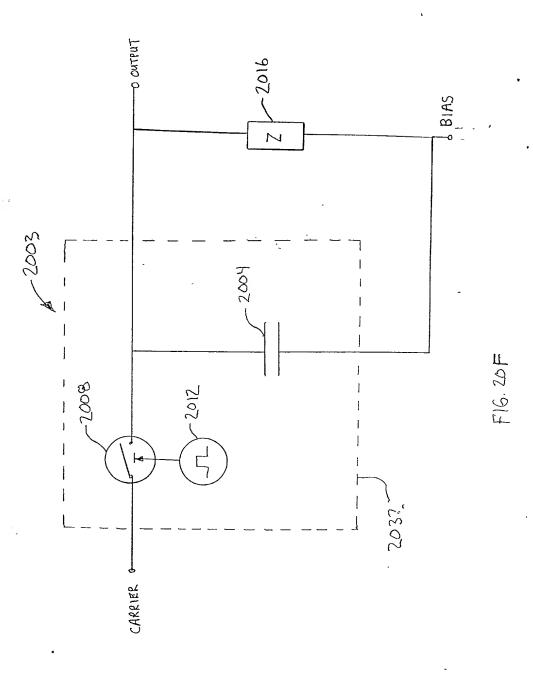


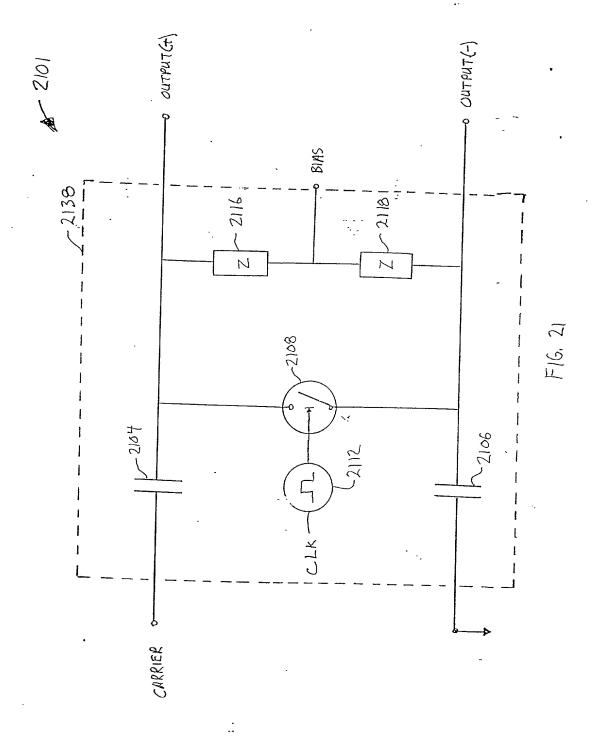


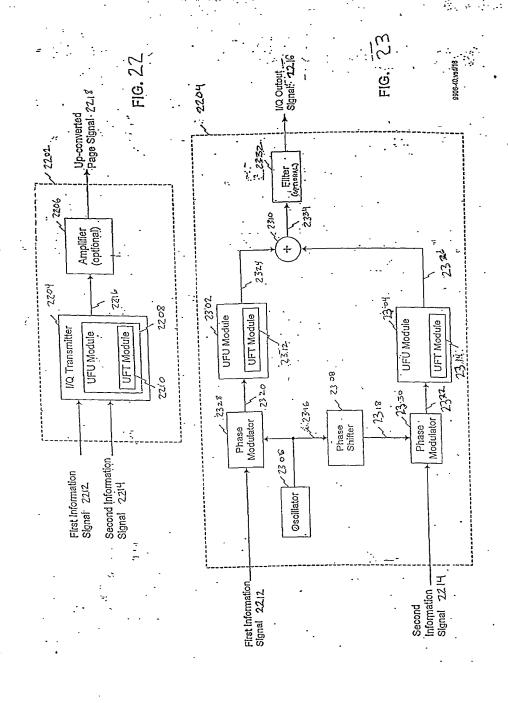


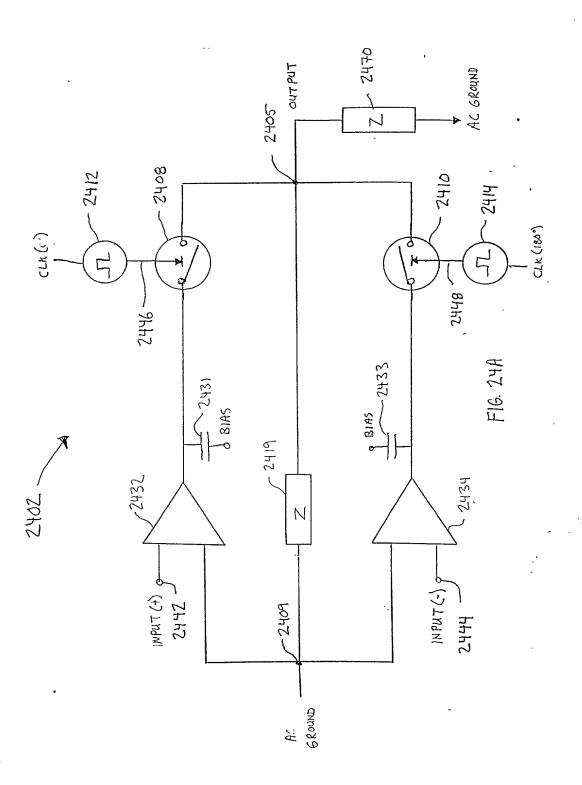


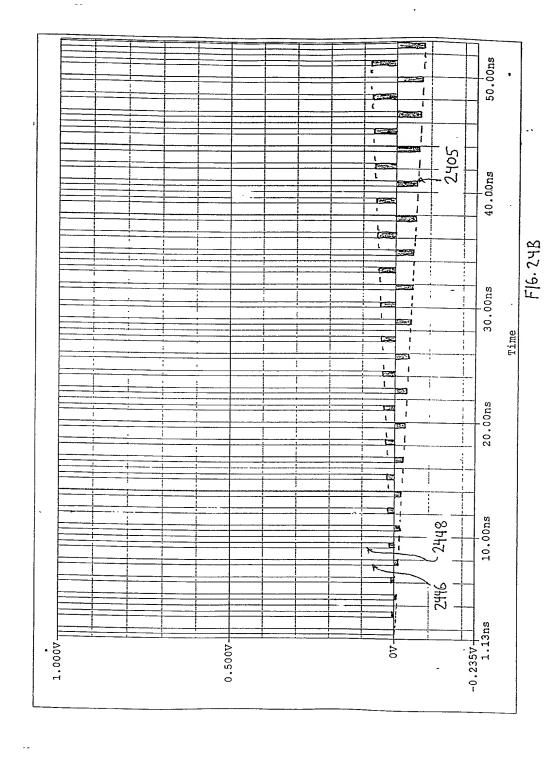
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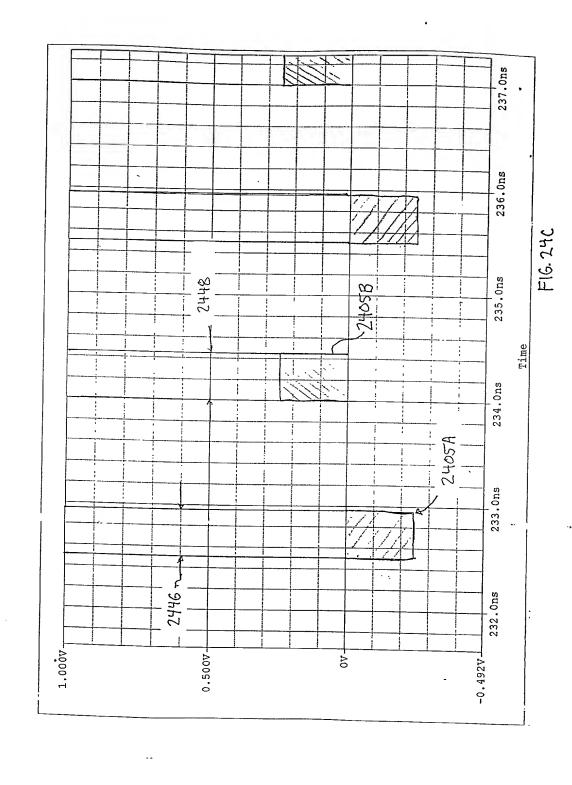


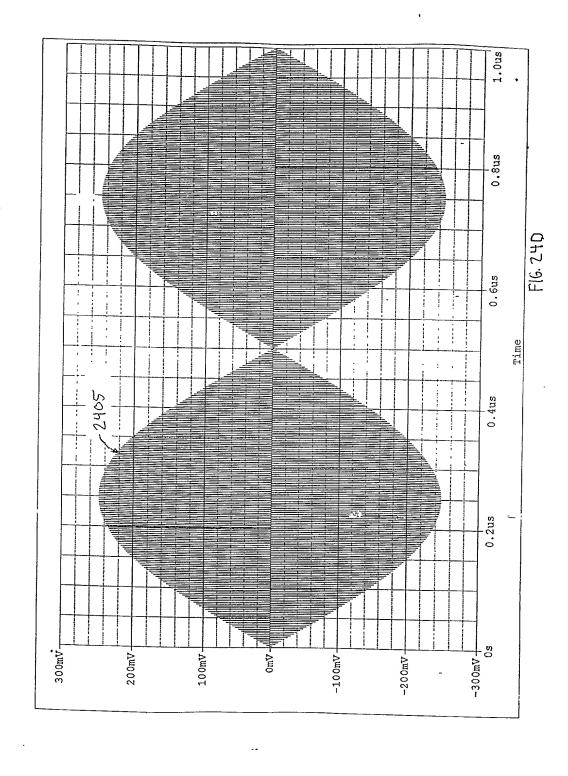


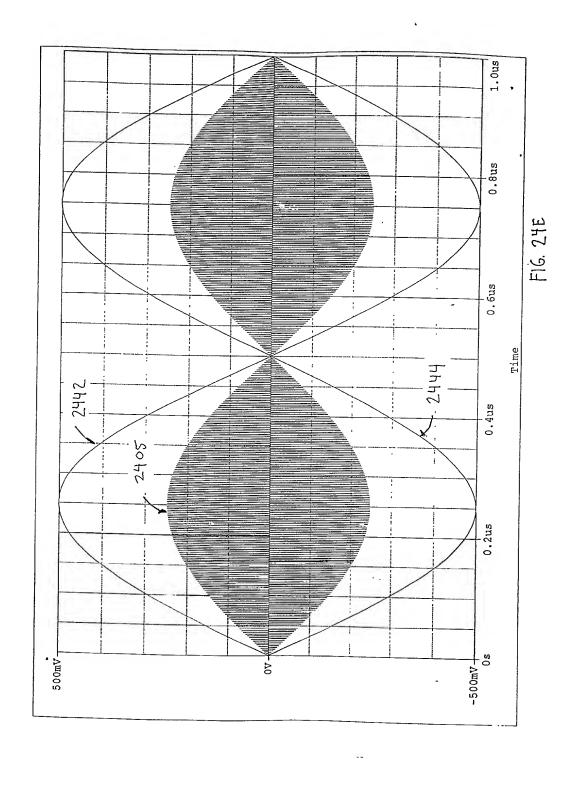


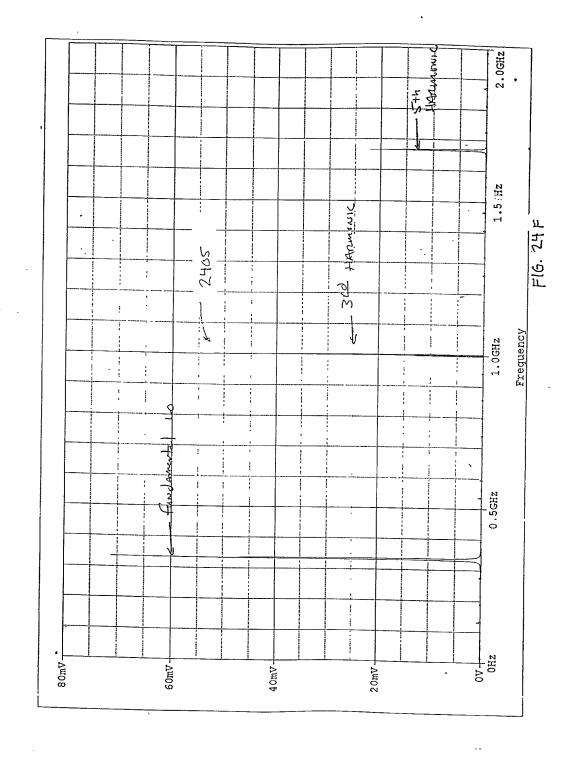


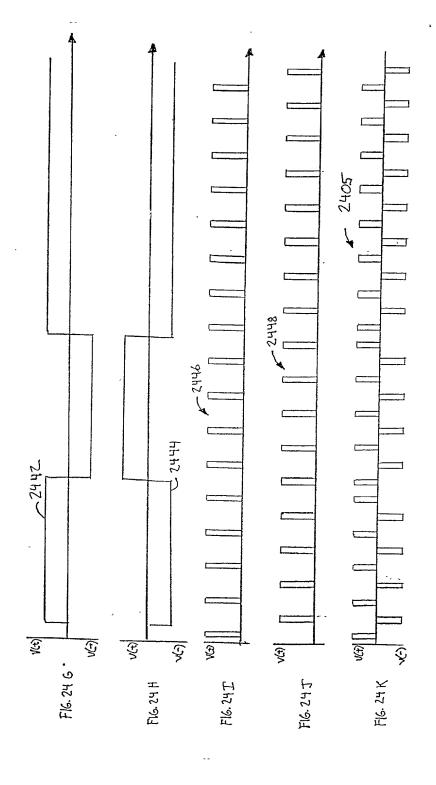


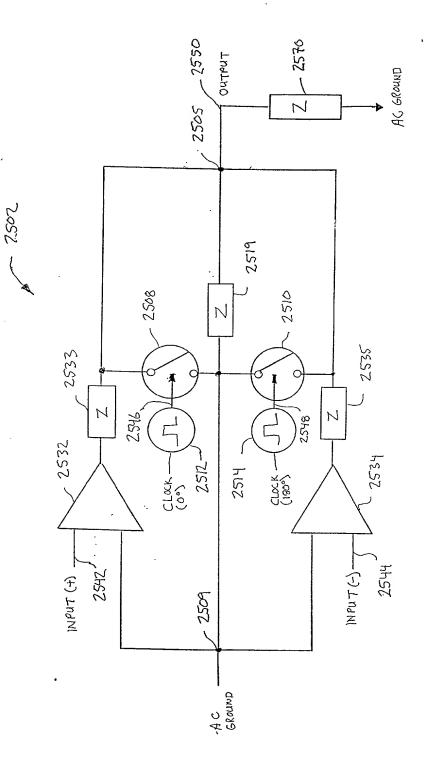




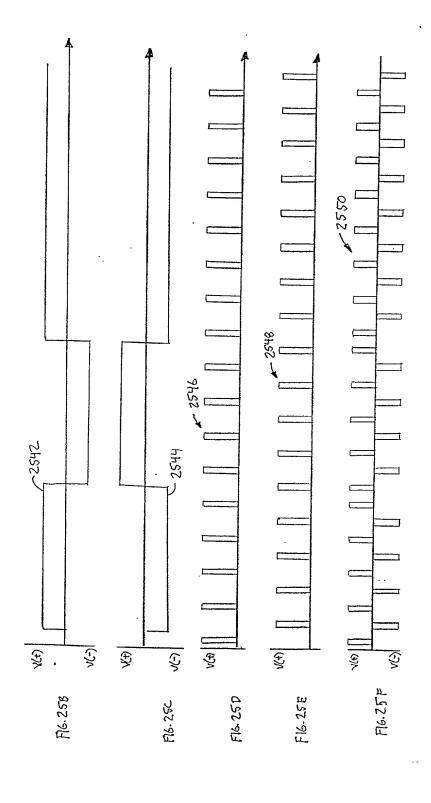




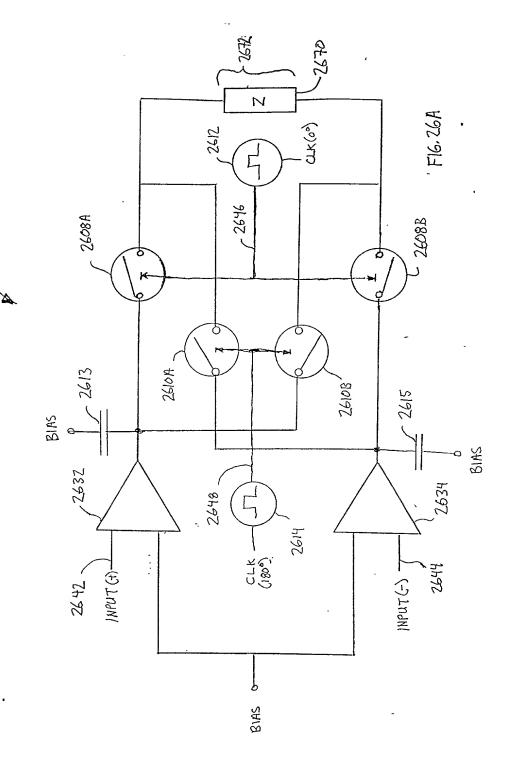


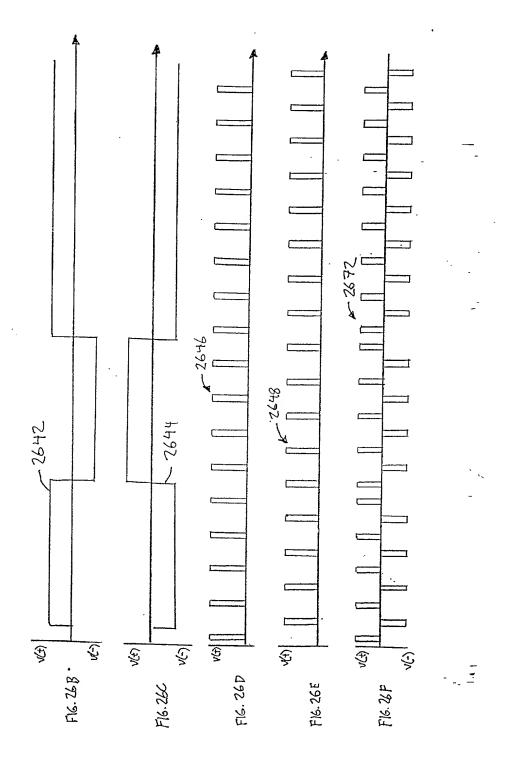


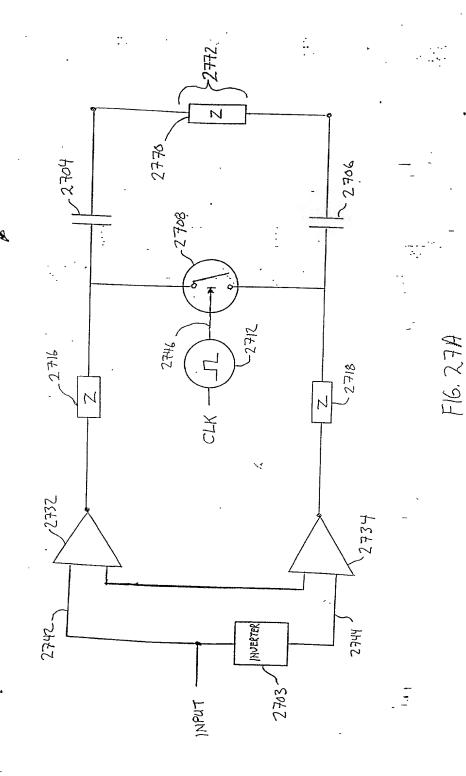
F16. 2SA

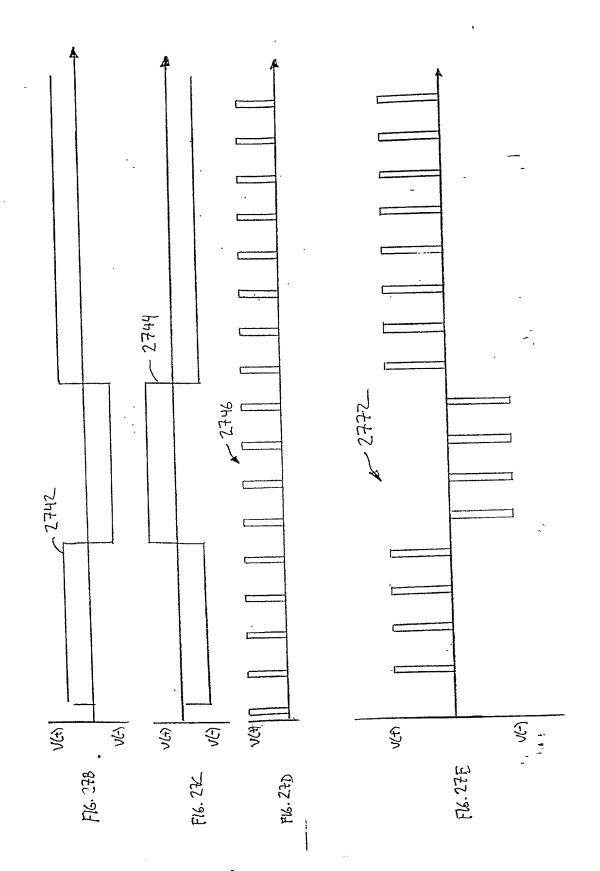


2992/









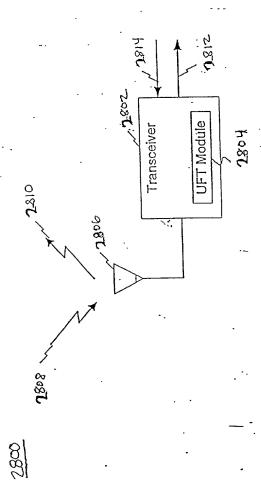


FIG. 29

## ·EXEMPLARY RECEIVER FOR UNIVERSAL FREQUENCY DOWN-CONVERSION

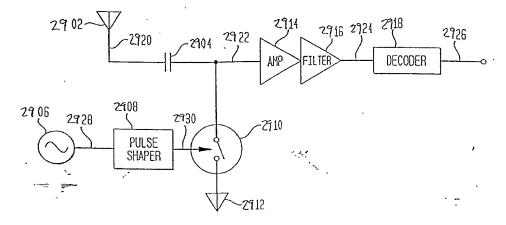
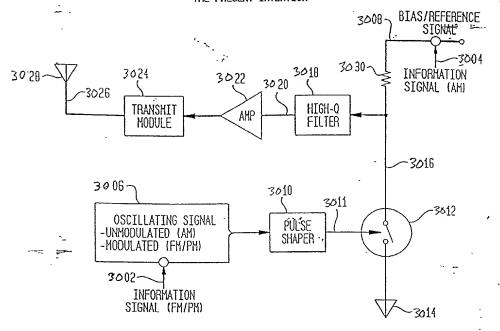
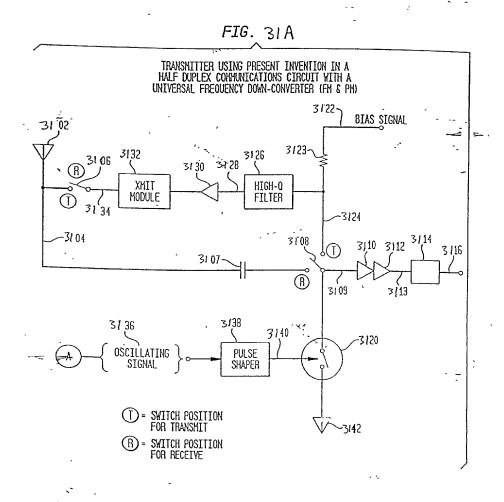
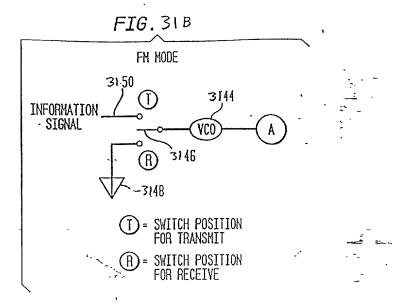
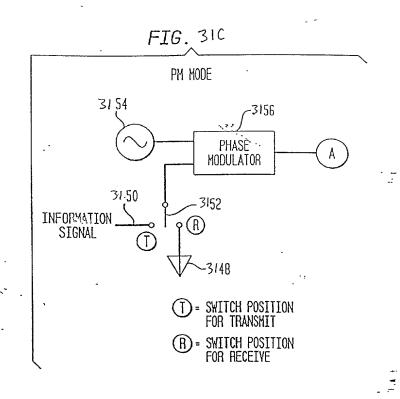


FIG. 30
EXEMPLARY TRANSMITTER USING THE PRESENT INVENTION









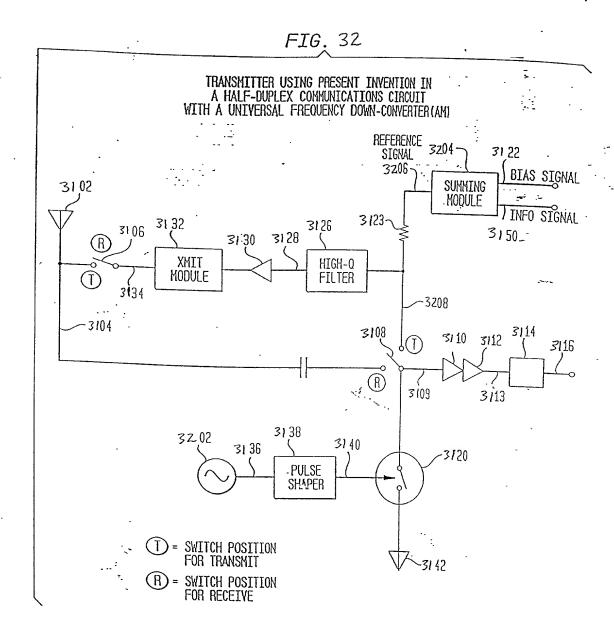
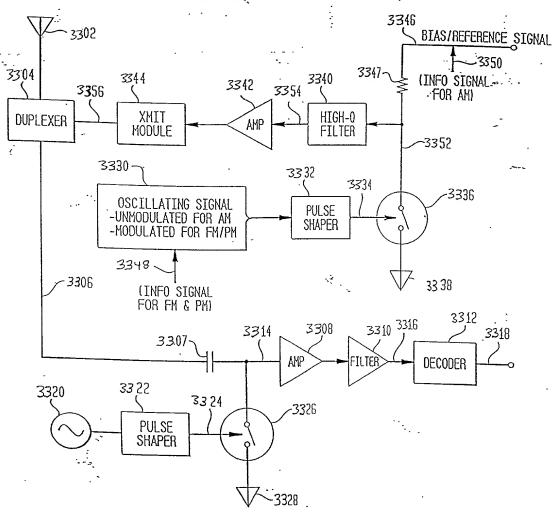
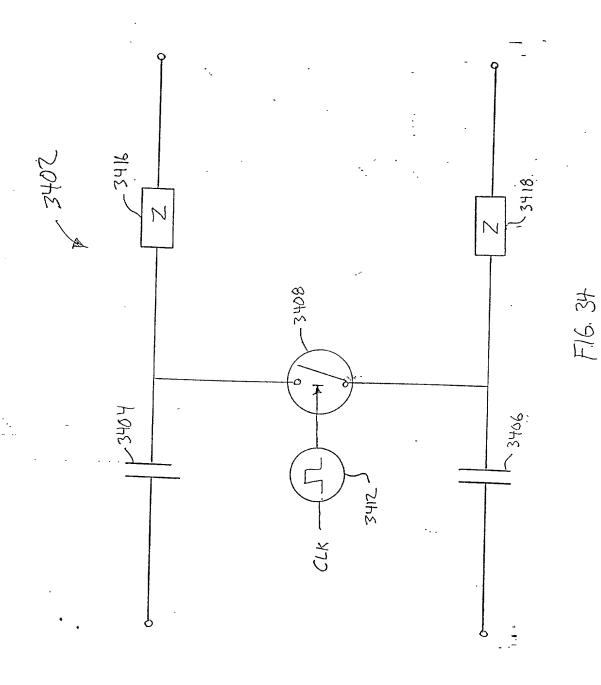


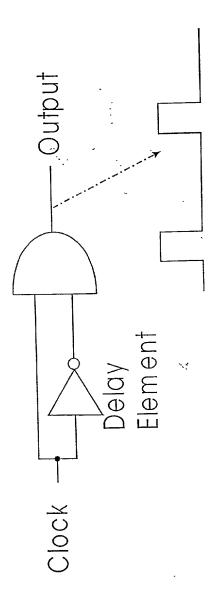
FIG. 33

TRANSMITTER USING PRESENT INVENTION IN FULL DUPLEX COMMUNICATIONS CIRCUIT WITH UNIVERSAL, FREQUENCY DOWN-CONVERTER

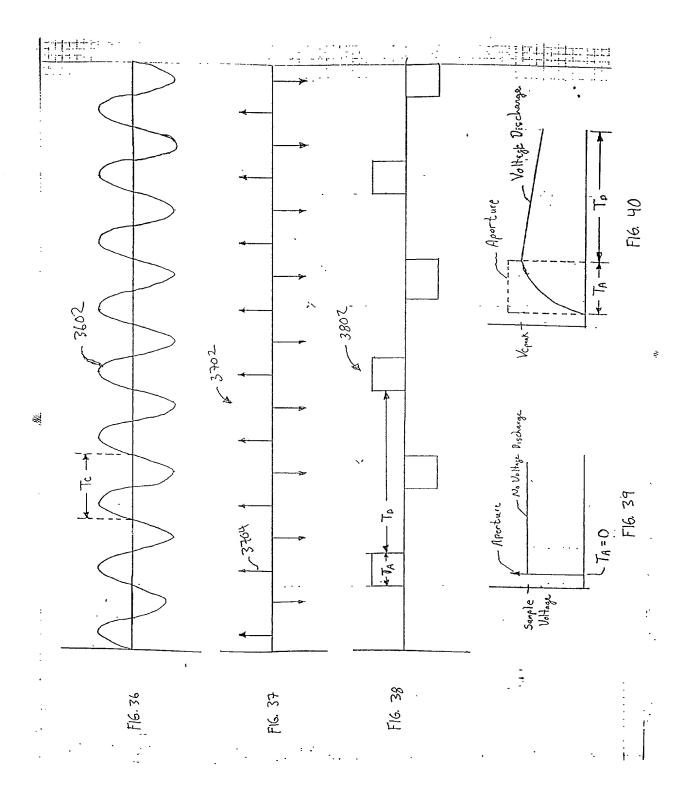


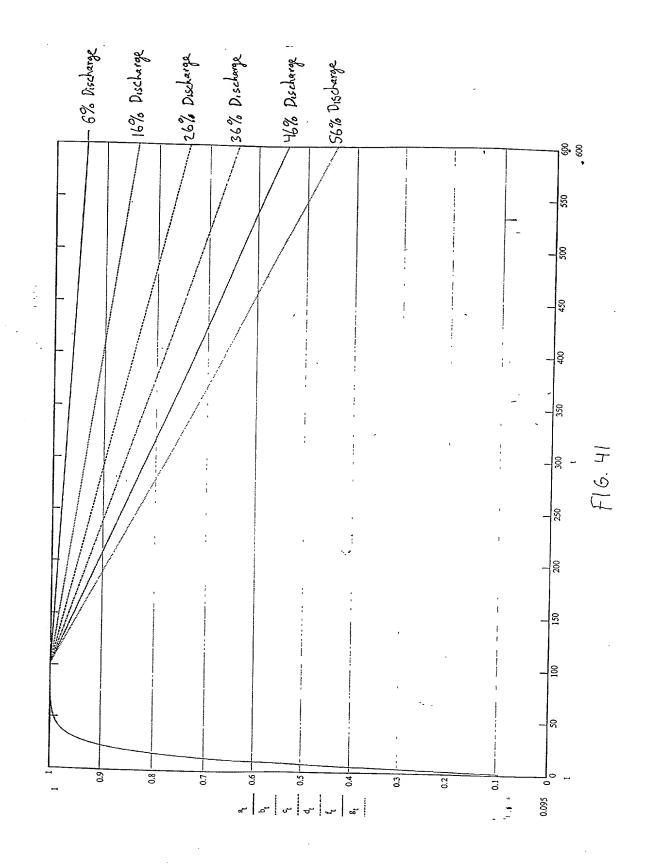
\*

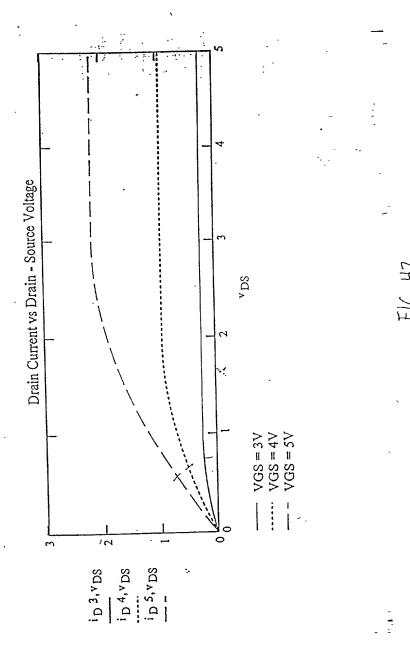


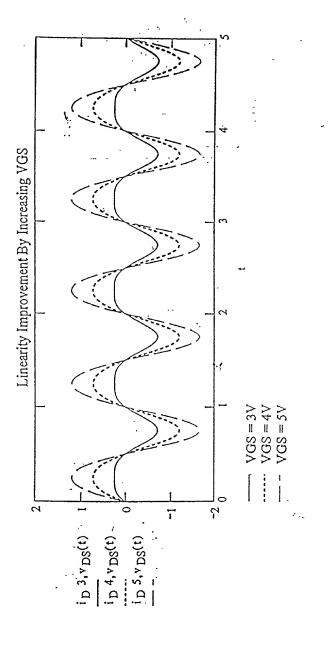


F16.35

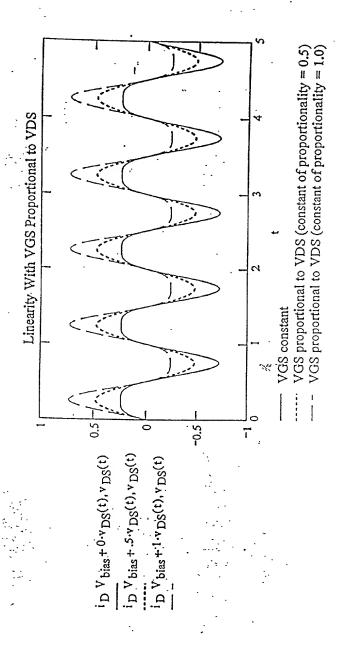




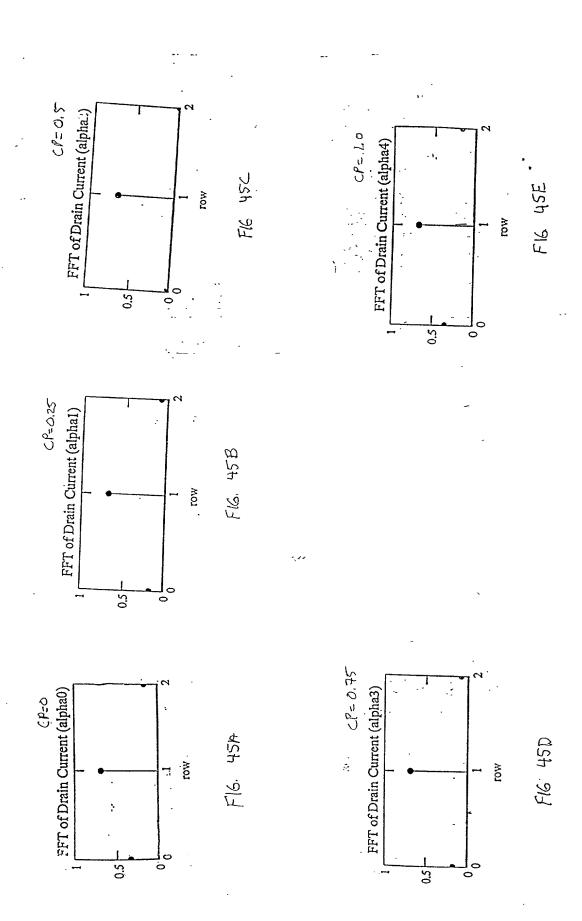


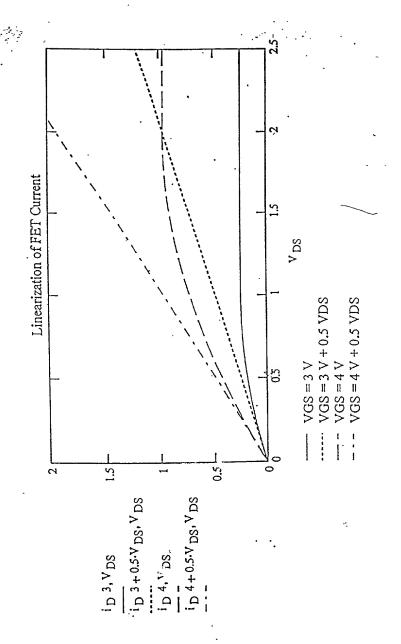


F16. 43

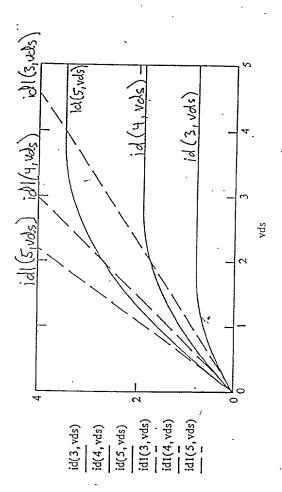


ht 213

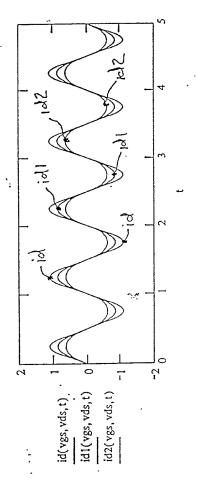




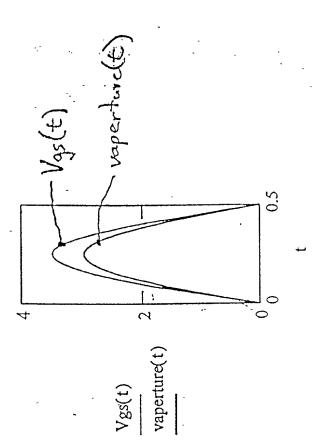
F16, 46



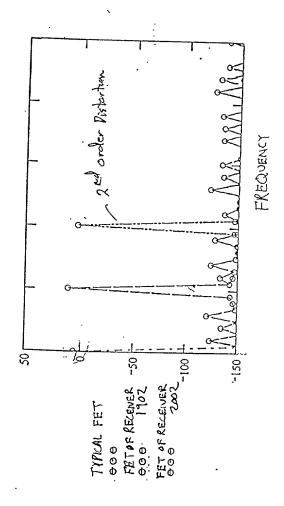
F16.47



F/6, 48

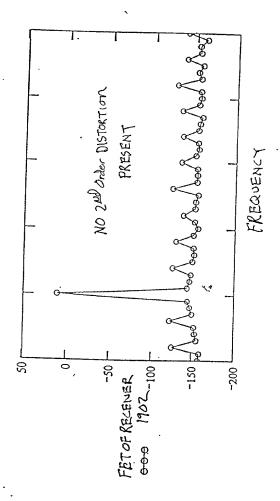


F16. 49

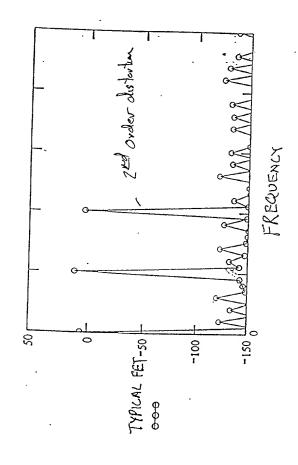


F16. 50

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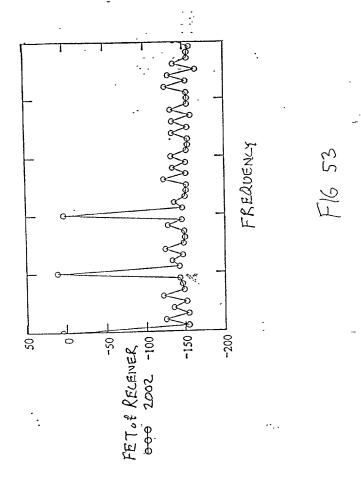


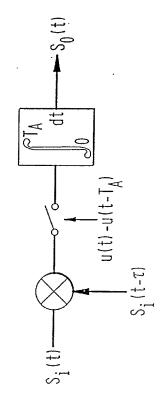
F16, S1



F16. 52

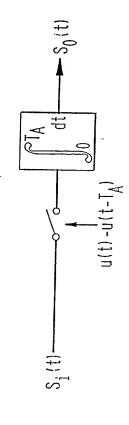
. <del>-</del>



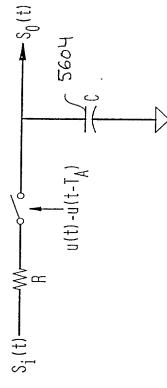


F16.54

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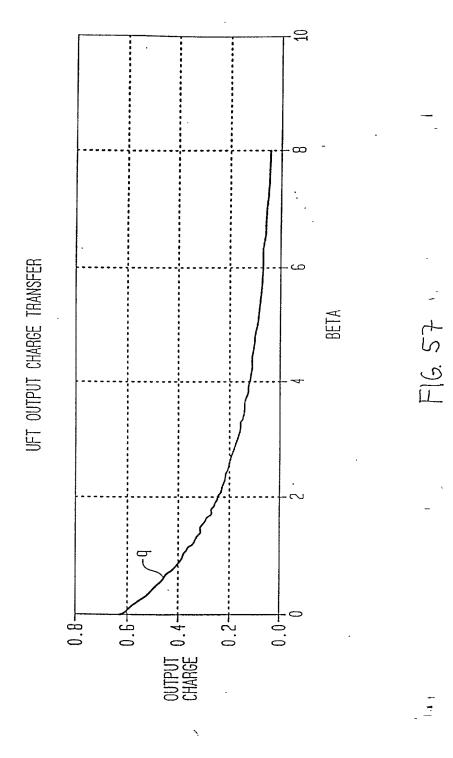


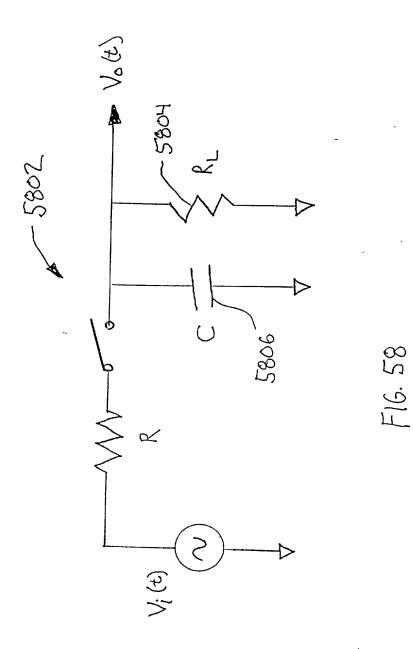
F16. 55



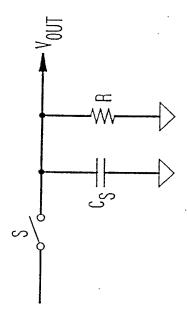
F16.56

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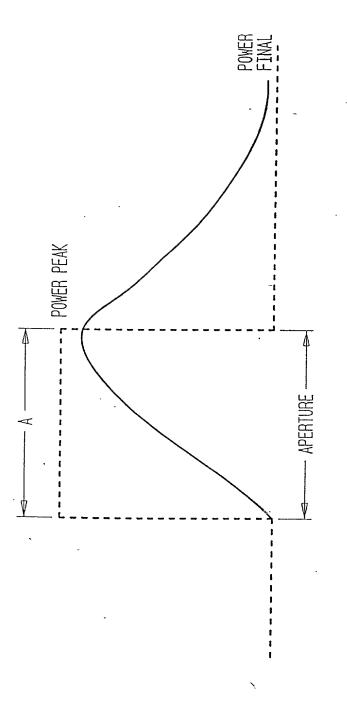


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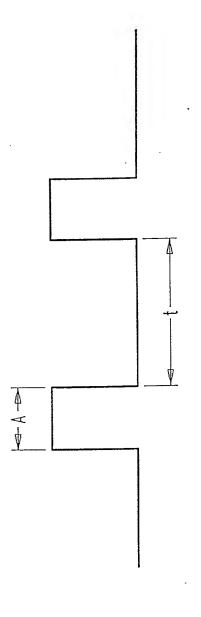
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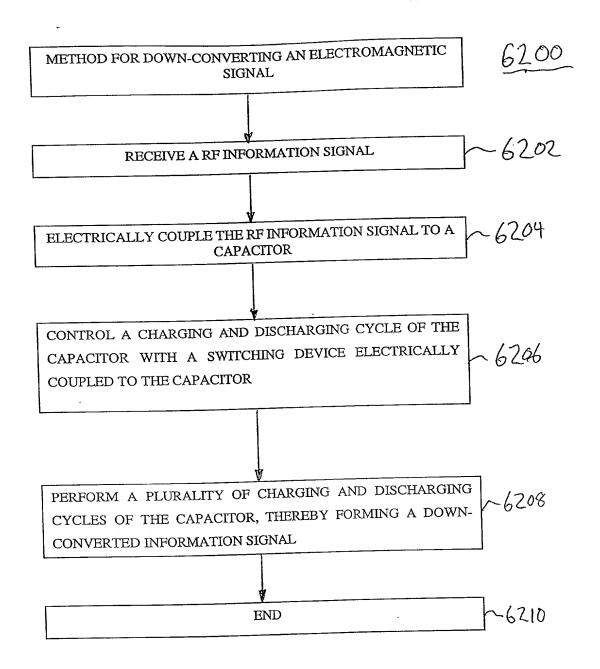


F16.60

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F16.62